

CLAIMS

1. A nickel based powdered metallic material
5 comprising in addition to nickel 0 - 4.5 % by weight of
copper, 0 - 5.0 % by weight of iron, whereby the total
amount of copper and iron is at least 2.5 % by weight,
0.05 - 5.0 % by weight of a carbide forming element, 0.5
- 2.0 % by weight of boron, 1.0 - 4.0 % by weight of
10 silicon, 0.5 - 4.0 % by weight of phosphorus, 0.01-0.5 %
by weight of C and less than 2 % by weight of inevitable
impurities.
2. Material according to claim 1, including copper
in an amount of 2.5-4.5 % by weight
- 15 3. Material according to claim 1 or 2 claim, wherein
the powdered metallic material comprises less than 3.0 wt
% iron.
4. Material according to claim 1 wherein the carbide
forming element is selected from the group consisting of
20 chromium, tungsten, molybdenum, vanadium, tantalum,
niobium, titanium and zirconium.
5. Material according to any of the preceding
claims, wherein the powdered metallic material preferably
comprises 0.05-1.0 % by weight of a carbide forming
25 element.
6. Material according to any of the preceding
claims, wherein the powdered metallic material preferably
comprises 1.0 - 5.0 % by weight of carbide forming
element.
- 30 7. Material according to any of the preceding
claims, wherein the powdered metallic material preferably
comprises 0.6 - 1.6 % boron and 1.6 - 3.5 % silicon.
8. Material according to any of the preceding
claims, wherein the powdered metallic material preferably
35 comprises 1.5 - 3.0 wt % phosphorous.

35